



MODIFICATION INSTRUCTIONS
for the
KODAK MINILOADER 1M,
MODELS STAND-ALONE, & PROCESSOR INTERFACE

Service Codes 3234, & 3235

MODIFICATION No. M01

Type 1 Required

PURPOSE:

To change the speed of the cam motor to stop cam system malfunctions, to prevent damage to the cam motor relays, and lengthen the life of the cam motor. Film handling is also improved.

This modification will also prevent spurious blowing of the cam motor fuse.

IMPORTANT: Only qualified service personnel should install this modification!

SERIAL NUMBERS: 1500 - 1530
1700 - 1718

INSTALLATION TIME: Approximately 30 minutes.

SPECIAL TOOLS: None

PARTS REQUIREMENT: No parts required.

PARTS LIST

PART NO.	DESCRIPTION	QUANTITY
MA3234-M01	MODIFICATION INSTRUCTIONS	1

CAUTION



This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

PLEASE NOTE

The information contained herein is based on the experience and knowledge relating to the subject matter gained by Kodak Limited prior to publication.

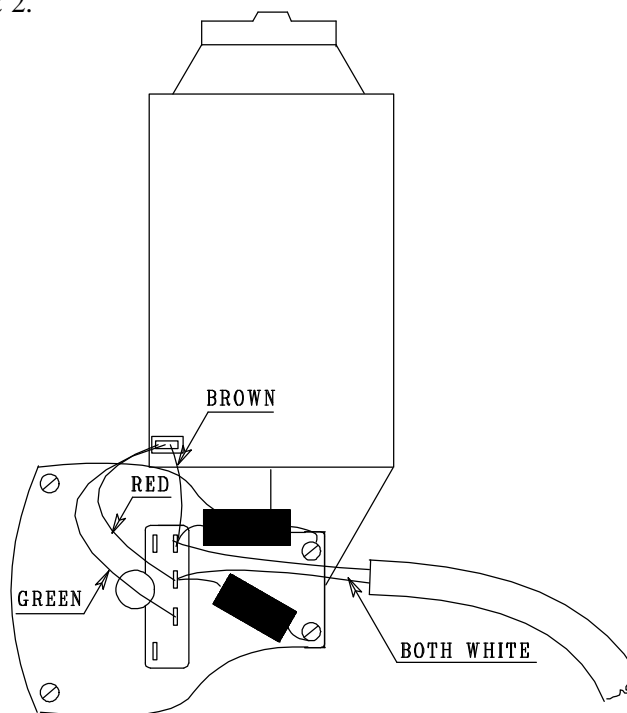
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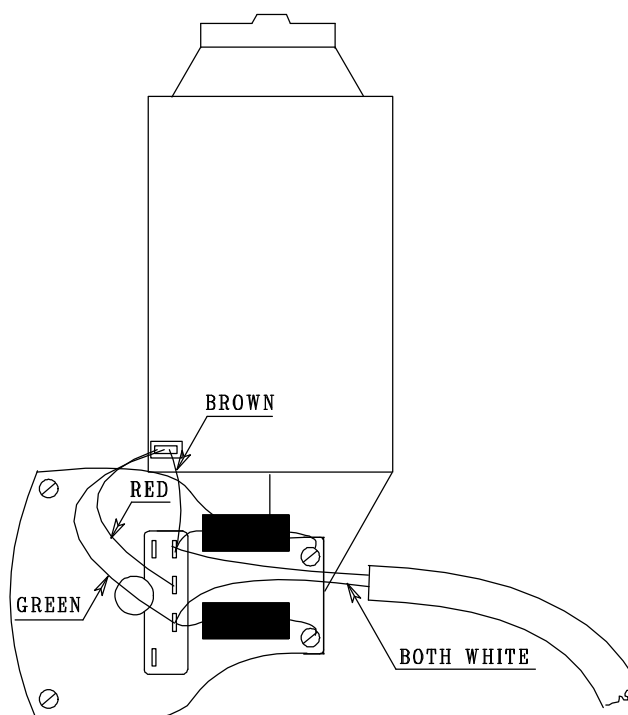
MODIFICATION INSTRUCTIONS

1. Switch off the power to the MINILOADER and remove the TOP COVER and the right hand (from the front) SIDE PANEL.
2. On the CAM MOTOR, identify the CONNECTOR STRIP. Un-solder the WHITE WIRE marked "C" and the CAPACITOR from the CONNECTION that the RED MOTOR WIRE is connected to, and re-solder the WHITE WIRE and the CAPACITOR to the CONNECTION that the GREEN MOTOR WIRE is connected to. See FIGURES 1 & 2.

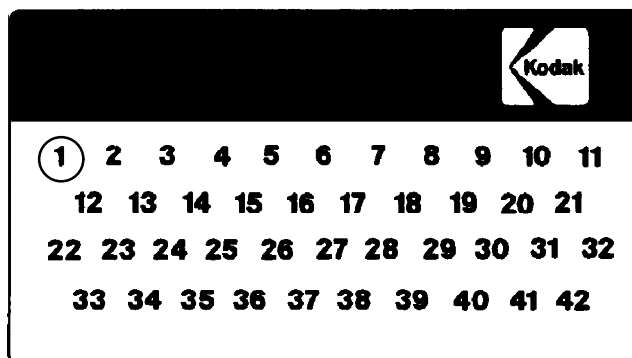
*FIGURE 1.
Before the modification.*



*FIGURE 2.
After the modification.*



3. Replace the right hand SIDE PANEL, and turn the power to the MINILOADER on.
4. Using the SWITCHES on PCB 303 enter the PROGRAMMING MODE. (SWITCH 1 ON) Check that the DATE & TIME are still correct, reset if necessary.
Check the SERIAL NUMBER is still correct, change if necessary.
Select the required LANGUAGE.
Note that PARAMETER P3, "MULTIPLE FILM DETECTION PAUSE" can now be reduced to 0.5 Seconds (previously 1.0 Second) because as the CAM MOTOR is now moving more slowly, less time is required for the FILM to stabilise.
5. On most MINILOADERS, the cycle time after doing this modification does not change. This is because although the CAM MOTOR is running more slowly, the time for HOME POSITION to be reached at the end of the cycle is much reduced as, due to the slower speed, the program is able to stop the CAM MOTOR in HOME POSITION first time, and does not need to "hunt" for HOME POSITION. However, on PROCESSOR INTERFACE MINILOADERS, it is necessary to check that PARAMETER P4 "GAP BETWEEN FILMS" is still correctly set. The correct way to do this is to check the gap between films leaving the PROCESSOR in SERIAL MODE, and alter PARAMETER P4 if necessary.
6. Circle MOD M01 on the MODIFICATION LABEL, re-assemble the MINILOADER and test .



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